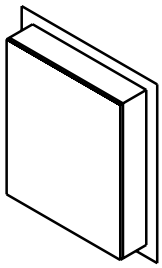
VIKING MODEL VEV900
EXTERIOR MOUNTED BLOWER



FOR USE WITH VIKING VWH, VIH, VBCV, VICV AND DTWN
24" TO 42" WIDE, 18" HIGH RANGE HOODS

READ AND SAVE THESE INSTRUCTIONS

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer or your distributor.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

WARNING

5. When cutting or drilling into wall, or ceiling, do not damage electrical wiring or other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. To reduce risk of fire, use only metal ductwork.
8. This unit must be grounded.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive material and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. Please read specification label on product for further information and requirements.
4. Electrical circuit, including speed control, (if used), must be rated 6 AMPS minimum.

Blower Dimensions
28.251 x 24.75 x 7.17

SPECIFICATIONS

MODEL	VOLTS	AMPS	CFM	DUCT SIZE
VEV900	120	5.7	900	10 " DIA.

PLAN THE INSTALLATION

ALL INSTALLATIONS

1. Locate the blower so the length of the duct run and number of elbows needed are kept to a minimum.
2. Where possible, blower should be centered between wall studs or roof rafters.
3. Avoid pipes, wires, or other ductwork that may be running through the wall.

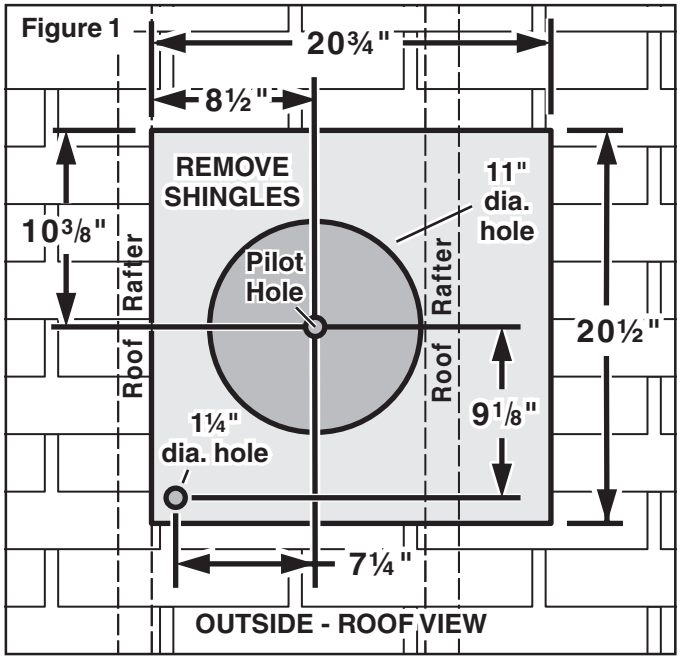
INSTALLER: Leave This Manual With The Homeowner
HOMEOWNER: Use And Care Information On Page 4

PREPARE THE INSTALLATION LOCATION

ROOF INSTALLATIONS

1. Locate the blower on the rear slope of the roof. Place it in a location to minimize duct run. The location should be free of obstacles (T.V. leads, electrical lines, etc.). Bear in mind, if the blower top is level with the roof peak, it will not be seen from the street. Keep this approximate location in mind as you work from within the attic.

Figure 1



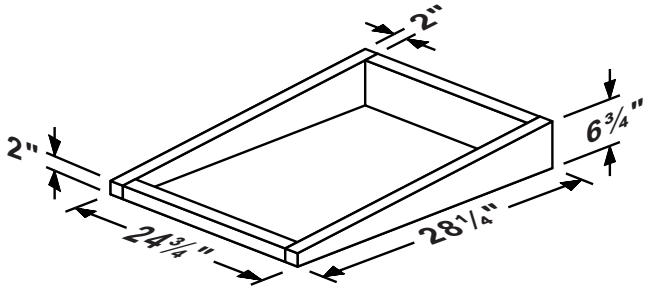
From inside the attic space:

2. Drill a **PILOT HOLE** up through the roof, 8½" from the *inside edge* of a **ROOF RAFTER**.

From outside - on the roof:

3. Measure and mark the 20¾" x 20½" rectangle. Cut and remove only the shingles inside this rectangle.
4. Measure and mark the **11" DIAMETER HOLE** and the **1¼" DIAMETER HOLE**. Cut these holes all the way through the roof.

Figure 2



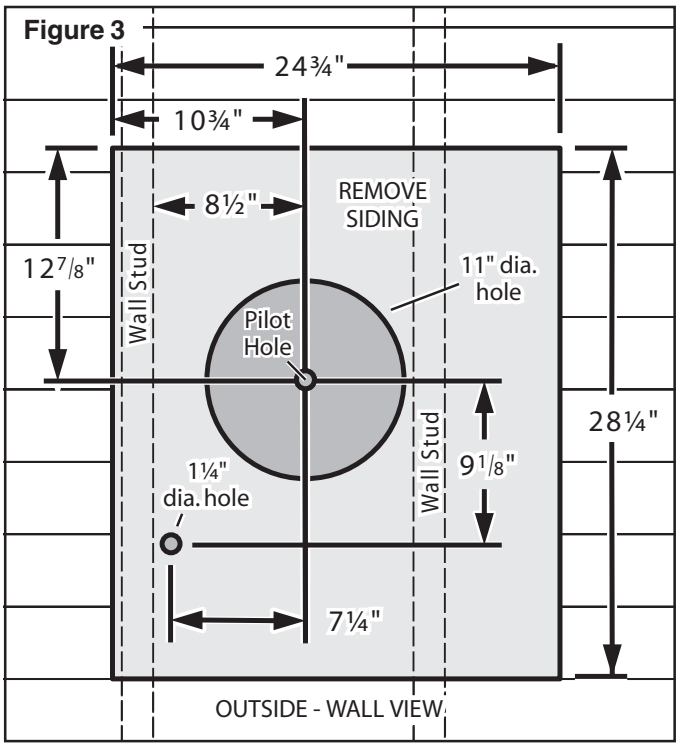
5. For flat roof installations, build a curb that will mount the blower at a minimum pitch of 2/12. See Figure 2. Discharge end of the blower should be pointed away from prevailing winds.

PREPARE THE INSTALLATION LOCATION

WALL INSTALLATIONS

1. Choose a position on the outside wall. Make sure that no wall studs, pipes or wires run through the opening area.

Figure 3



From inside the wall:

2. Drill a **PILOT HOLE** through the wall, 8½" from the *inside edge* of a **WALL STUD**.

From outside - on the wall:

3. Measure and mark the 25" x 29½" rectangle. Cut and remove only the siding inside this rectangle.
4. Measure and mark the **11" DIAMETER HOLE** and the **1¼" DIAMETER HOLE**. Cut these holes all the way through the wall.

PREPARE THE BLOWER

ALL INSTALLATIONS

1. Unpack the blower assembly.
2. Remove the cover and screws.
3. Remove and discard cardboard from blower wheel.
4. Remove the wiring box cover and screws.
5. Attach an appropriate U.L. approved cable connector in the hole at the rear of the wiring box.

INSTALL THE BLOWER

ROOF INSTALLATIONS

1. Remove roofing nails from the upper 2/3 of the shingles around the cutout area and carefully lift the shingles to allow the back flashing sheet on the blower housing to fit under them.

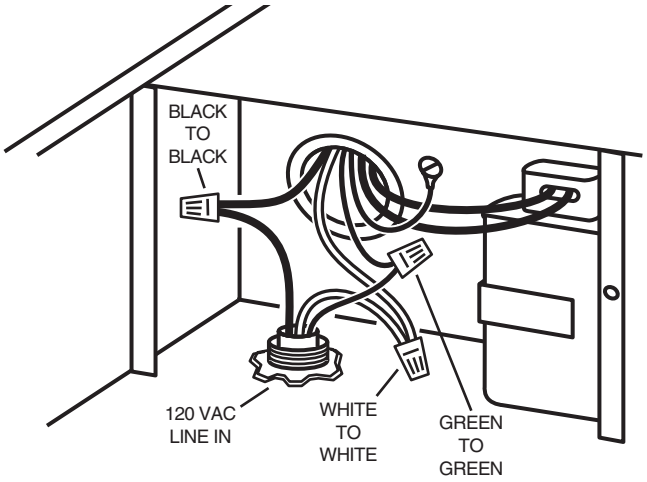
2. Center the blower ring in the 11" diameter hole, making sure that the 1-1/4" diameter electrical wiring hole aligns with the hole in the wiring box.

3. Attach the blower to the roof with the six screws provided. All six holes in the back panel must be filled, or any moisture that may get inside the blower housing could leak into the house.

4. Using a good grade of roofing cement, seal all of the shingles around the housing and flashing sheet as well as the mounting screw heads.

5. Bring electrical wiring through the hole in the wiring box and secure it according to local codes.

Figure 4



6. Make the electrical connections with the proper connector for the type of wiring being used. Connect white to white, black to black, and the green or bare wire to green. See Figure 4.

7. Replace wiring box cover and screws. Do not pinch wiring under the cover.

8. Check for free movement of the damper before installing housing cover and screws.

INSTALL THE BLOWER

WALL INSTALLATIONS

1. Place a large bead of caulk on the back side of the housing along the outer edge.

2. Center the blower ring in the 11" diameter hole, making sure that the 1-1/4" diameter electrical wiring hole aligns with the hole in the wiring box.

3. Attach blower to the wall with the six screws provided. All six holes in the back panel must be filled, or any moisture that may get inside the blower housing could leak into the house.

4. Using a good grade of caulk, seal all around the mounting screw heads.

5. Bring electrical wiring through the hole in the wiring box and secure it according to local codes.

6. Make the electrical connections with the proper connector for the type of wire being used. Connect white to white, black to black, and green or bare wire to green. See Figure 4.

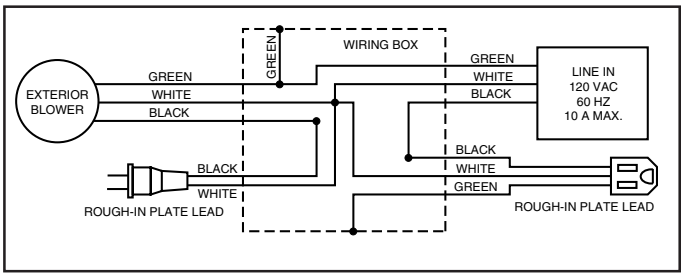
7. Replace wiring box cover and screws. Do not pinch wiring under cover.

8. Check for free movement of the damper before installing housing cover and screws.

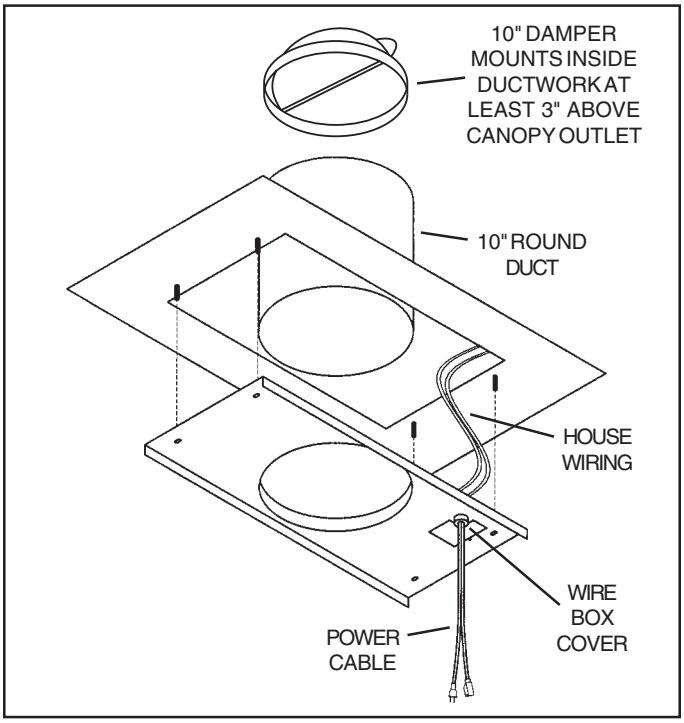
9. Top and side flanges of the back plate may be covered with trim strips. Do not block grille opening at bottom with trim. It will adversely affect performance of the blower.

INSTALL THE ROUGH-IN PLATE

1. Run 10" round steel ductwork, from exterior blower to the installation location. For best performance, use the straightest possible duct run and the fewest number of elbows. Tape all joints.
2. Run 120 VAC electrical power cable from service panel and from remote blower to installation location.
3. Remove wiring box cover. Remove knockouts from the wiring box. Feed 6" of power cable through openings and attach cables to wiring box with appropriate connectors.



4. Wire black to black, white to white, and green or bare wire beneath green ground screw. Replace wiring box cover.
5. Attach rough-in plate to the studs at the inside top of hood with (4) #10-24 nuts provided.
6. Connect ductwork to rough-in plate and tape joint.



7. Turn on power and check blower operation.

USE AND CARE

Disconnect electrical power supply and lock out service panel before cleaning or servicing this unit.

CLEANING

Remove cover and carefully vacuum blower and inside of housing. Be careful not to bend or otherwise damage blower wheel.

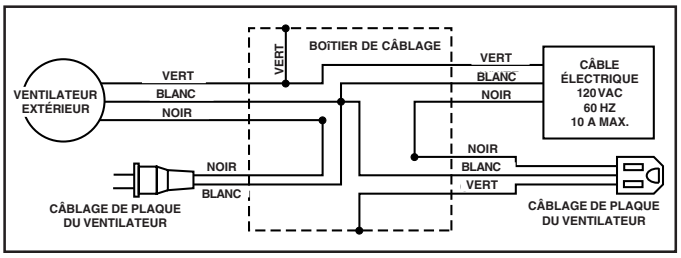
MOTOR LUBRICATION

The motor is permanently lubricated. Do not oil or disassemble motor.

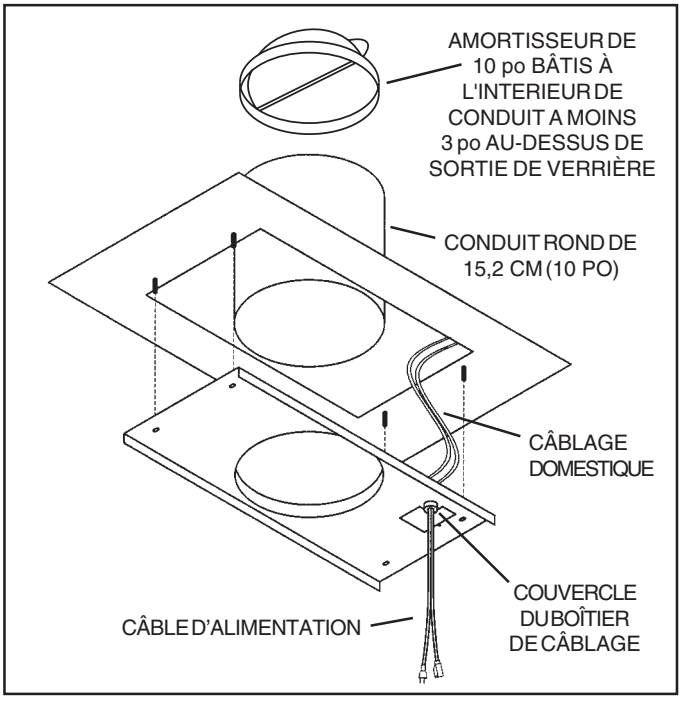
VIKING RANGE CORPORATION
GREENWOOD, MISSISSIPPI 38930 USA

POSE DE LA PLAQUE DE RACCORDEMENT

1. Faites cheminer les conduits ronds en acier de 25,4 cm (10 po) du ventilateur extérieur vers la hotte. Pour un meilleur rendement, utilisez le conduit rond le plus droit possible et réduisez au maximum l'utilisation de coudes. Scellez tous les joints avec du ruban adhésif.
2. Faites cheminer le câble électrique de 120 V.C.A. du panneau d'entrée d'électricité et du ventilateur vers la hotte.
3. Retirez le couvercle du boîtier de câblage. Retirez les entrées sectionnables de la boîte de câblage. Faites passer 15,2 cm (6 po) de câble électrique par les ouvertures et fixez les câbles du boîtier de câblage aux connecteurs appropriés.



4. Branchez les fils noirs ensemble, les fils blancs ensemble puis placez le fil vert ou le fil dénudé sous la vis de borne de terre verte. Replacez le couvercle du boîtier de câblage.
5. Fixez la plaque du ventilateur aux goujons se trouvant sur la partie supérieure de l'intérieur de la hotte à l'aide de (4) écrous nº 10-24, inclus.
6. Branchez le conduit à la plaque de raccordement et scellez le joint avec du ruban adhésif.


AMORTISSEUR DE 10 po BÂTIS À L'INTERIEUR DE CONDUIT A MOINS 3 po AU-DESSUS DE SORTIE DE VERRIÈRE
CONDUIT ROND DE 15,2 CM (10 PO)
CÂBLAGE DOMESTIQUE
COUVERCLE DU BOÎTIER DE CÂBLAGE
CÂBLE D'ALIMENTATION

7. Mettez l'appareil sous tension et vérifiez le fonctionnement du ventilateur.

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UTILISATION ET ENTRETIEN

Débranchez l'alimentation électrique et verrouillez le panneau d'entrée d'électricité avant de nettoyer ou de réparer l'appareil.

NETTOYAGE

Retirez le couvercle et passez soigneusement l'aspirateur à l'intérieur du boîtier. Veillez à ne pas courber ou endommager la roue du ventilateur.

LUBRIFICATION DU MOTEUR

Le moteur est lubrifié en permanence. Il ne doit pas être huilé ni démonté.